



Life Cycle Scenarios:

1. **Life Stage:** Egg

Scenario: There has been a major landslide on the bank of the stream and it is putting sediment, vegetation (plants and trees), rocks, and large boulders into the stream.

2. **Life Stage:** Alevin

Scenario: After two weeks of rain, the stream is flooded and moving swiftly. This is causing the streambed to erode, adding silt and vegetation to the stream.

3. **Life Stage:** Fry

Scenario: A long, hot summer combined with a low rain year has created a drought situation in the creek. The remaining water is becoming warm (65-70 degrees).

4. **Life Stage:** Smolt

Scenario: The first mile of your creek, including the estuary, has been cleared for grazing and is now open to access for livestock crossing. Cattle are now able to roam in the creek, causing excessive erosion of the banks.

5. **Life Stage:** Ocean/Migrating Adult

Scenario: An oil tanker has been leaking a steady stream of crude oil on its trip from Alaska to San Diego, and is now docked for repairs.

6. **Life Stage:** Spawner

Scenario: During the two years you were in the ocean, the channel of your home stream has changed dramatically due to development. Roads and buildings have been constructed, water has been diverted, and there is now a large amount of trash in the stream.